

4504-02  
ACCESSION NR: APS007788

RECORDED ON 03/14/2001 AT 10:45 AM BY THE TELETYPE (ROUTER) The

ROUTER

ASSOCIATION: None

SUMMITED: 00

ENCL: 00

SUB CODE: EC

NO REF Sov: 000

OTHER: 000

ATD PRESS: 3238

*mcl*  
Card 2/2

L42077-65

ACCESSION NO.: A20000000000000000000000000000000

FILE NUMBER: 10000000000000000000000000000000

TITLE: A-c differentiating circuit (Soviet, No. 1965)

SOURCE: Byulleten' izobretenij i novykh značenij, no. 7, 1965, 16

TOPIC (AVS): ac differentiating device, direct coupling circuit; servosystem, stabilization.

**ABSTRACT:** The proposed a-c differentiating circuit, for the stabilization of servosystems, reacts only to increases in signal amplitude. It contains integrating elements and a direct coupling circuit. The output voltage is proportional to the rate of change of the input voltage.

ASSOCIATION: none

SUBMITTED: 11 Oct 61  
NO REF Sov: 000

ENCL: 00  
OTHER: 000

SUB CODE: EC 15  
ATD PRESS: 3237

Card # 1/1 pg 1

TURCHENKOV, V.I., master (Volgograd)

Refesigning of the semiclutch of an electric motor.  
Energetik 14 no.1:32-33 Ja '66. (MIRA 19:1)

STOROZHENKO, Aleksandr Panteleyevich; SOKOLOV, Vladimir Gennadiyevich;  
KOZLOVA, Neonila Petrovna; GUSAROVA, Mariya Afrikanovna;  
VORONOV, Kuz'ma Denisovich; KARPOVA, N.N., otv. red.; TURCHEVKO,  
V.K., otv. red.; GARBER, T.N., red. izd-va; BOLDYREVA, Z.A.,  
tekhn. red.

[Maintenance of machines in coal-preparation plants] Ukhod za  
mashinami na ugleobogatitel'nykh fabrikakh. Moskva, Gos.  
nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 258 p.

(MIRA 15:1)

(Coal preparation—Equipment and supplies)

TURCHENKO, V.K., inzh.

Studying the process of bed separation in a uniflow jig.  
Obcн. i brik. ugi. no.26452-61 '62. (MIRI 17:8)

DUNAYEV, M.N.; TURCHENKO, V.K.; GREBENSHCHIKOV, V.P.; MELIK-  
STEPANOVA, A.G.; OL'FERT, A.I., otv. red; PRONINA,  
N.D., tekhn. red.

[Preparation, dewatering, and drying of fine coal; survey of  
foreign material] Obogashchenie, obezvozhivanie i sushka mel-  
kogo uglia; obzor zarubezhnykh materialov. Moskva, TSentr.  
in-t tekhn. informatsii, 1962. 77 p. (MIRA 164)  
(Coal preparation)

DUNAYEV, Maksim Nikitovich, inzh.; TURCHENKO, Vasiliy Kuz'mich, inzh.;  
MELIK-STEPANOVA, Alla Georgiyevna, inzh.; GREBENSHCHIKOV,  
Vladimir Petrovich, inzh.; DREMAYLO, P.G., otv.red.; OL'FERT,  
A.I., red.izd-va; BOLDYREVA, Z.A., tekhn. red.

[Preparation of unclassified coals]Obogashchenie neklassifi-  
tsirovannykh uglei. [By]Dunaev, M.N. i dr. Moskva, Gosgortekh-  
izdat, 1963. 181 p.  
(Coal preparation) (MIRA 16:3)

DUNAYEV, M.N., inzh.; TURCHENKO, V.K., inzh.

Coal Jigging. Obog. i brik. ugl. no. 21:75-83 '61. (MIRA 16:5)  
(Coal preparation) (Separators (Machines))

SKLOVSKAYA, A.A., otv. red.; DREMAYLO, P.G., inzh., zam. otv. red.; KAMINSKIY, V.S., kand. tekhn. nauk, zam. otv. red.; AVETISYAN, A.N., red.; BRILLIANTOV, V.V., kand. tekhn. nauk, red.; GALIGUZOV, N.S., kand. tekhn. nauk, red.; GORLOV, I.P., red.; GREBENSHCHIKOV, V.P., red.; DAVYDKOV, N.I., red.; ZVENIGORODSKIY, G.Z., red.; KARPOVA, N.N., red.; KOZKO, A.I., red.; MARUSEV, P.A., red.; PONOMAREV, I.V., red.; POPUTNIKOV, F.A., red.; SOKOLOVA, M.S., kand. tekhn. nauk, red.; TURCHENKO, V.K., red.; FILIPPOV, V.A., red.; YUSIPOV, A.A., red.; YAGODKINA, T.K., red.; MIRONOVA, T.A., red. izd-va; LOMILINA, L.N., tekhn. red.; MAKSIMOVA, V.V., tekhn. red.

[Technological trends in coal preparation] Tekhnicheskie na-pravleniya obogashcheniya uglei. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1963. 120 p. (MIRA 16:10)

1. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut po obogashcheniyu i briketirovaniyu ugley. 2. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut po obogashcheniyu i briketirovaniyu ugley (for Yagodkina, Brilliantov).

(Coal preparation)

L 16148-63

ACCESSION NR: AR3005171

8/0058/63/000/006/H019/H019

45

SOURCE: RZh. Fizika, Abs. 6 Zh120

AUTHORS: Tereshchenko, A. I.; Shevin, A. G.; Turochenko, V. L.

TITLE: Q of anode block of the magnetron type of resonators of elliptic cross section

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 127, 1962, Tr. Radiofiz. fak., v. 6, 43-49

TOPIC TAGS: Magnetron, anode block, intrinsic Q, elliptic cross section

TRANSLATION: An approximate calculation is made of the intrinsic Q of a magnetron block of resonators of elliptic cross section. The stored high-frequency energy and the energy lost in the metal walls, which are contained in the expression for the Q, are calculated with the aid of the high-frequency component of the magnetic field, expressed in terms of Mathieu functions of the first and second kind. Analytic formulas are obtained for the intrinsic Q of a single elliptic resonator and of a block of elliptic resonators with account of the effect of the anode-

Card 1/2

L 16148-63

ACCESSION NR: AR3005171

cathode space. For example, the intrinsic Q calculated from the formulas given in the paper for a system of eight elliptic resonators in eight frequency bands, is equal to 1950. From a comparative table of the values of Q of resonators of different types used in magnetrons it follows that the elliptic resonators have the largest Q. In addition, it is noted that an anode block with elliptic resonators has also larger frequency separation as compared with other resonators (approximately 4.8--5.6% without straps). G. Korostelev.

DATE ACQ: 15Jul63

SUB CODE: GE, SP

ENCL: 00

Card 2/2

TURCHENKO, Vadim Vasil'yevich, polkovnik, kand.voyennnykh nauk;  
DUKACHEV, M.P., polkovnik, red.; SLEPTSOVA, Ye.N., tekhn.red.

[Consolidating gains in battle] Zakreplenie uspekha v boiu,  
Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 127 p.

(MIRA 14:2)

(Tactics)

TURCHENKOV, V.I.

Annular electronic commutator for switching two-polar constant  
voltage. Izm. tekhn. no.1:25-26 Ja '64.

(MIRA 17:11)

한국의 고고학 - 문화유적, 유물, 유화

## ACTIVITIES

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Table 1. The effect of the different treatments on the growth of *S. cerevisiae*.

SOCIAL INSTITUTIONS AND POLITICAL PARTIES IN THE 1990s

**TOPIC TAGS:** transistorized trigger relay servo

**ABSTRACT:** A transistorized trigger circuit is described (see Enclosure 1) which includes: resistors  $R_1$  -  $R_5$  intended for summing the input signals, reference voltage, and symmetry voltage; a d-c (Selund) trigger; TG trigger phase-reversing relay R<sub>1</sub> actually a switching transistors prepared with a 6.3-v 400-cps supply system. Voltage curves 101 and 102 illustrate the functioning of the device. The trigger circuit responds to the phase of a 6.3-v 400-cps supply power. Orig. art. has: 3 figures and 6 formulas.

ASSOCIATION: none

SUBMITTED: OCT

ENGL 01

**SUB CODE: EC**

NO REE SOV: 000

OTHER: 000

Card i/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED



APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2"

TURCHENKOV, V.I., inzh.

Precise stabilization of the amplification factor of an amplifier  
and the determination of its failure moment under operating con-  
ditions. Priborostroenie no.3:27 Mr '65.

(MIRA 18:4)

TROFIMENKO, N.; SHAKALOV, O.; TURCHENKOVA G.

Chemicalization as a way for increasing the production of grain.  
Zemledelie 26 no.9:79 S 164. (MIRA 17:11)

1. Glavnnyy agronom sovkhoza "Gigant" Rostovskoy oblasti (for Trofimenko). 2. Starshiy agronom-polevod sovkhoza "Gigant" Rostovskoy oblasti (for Shakalov). 3. Zaveduyushchaya agrokhimicheskoy laboratoriye sovkhoza "Gigant" Rostovskoy oblasti (for Turchenkova).

SHTYNEBUKH, N.V.; TURCHENKOVA, V.Yu.

Electroencephalographic changes in tuberculous meningitis in  
children during therapy. Zhur.nevr. i psikh. 56 no.9:725-730  
' 56. (MIRA 9:11)

1. Rostovskiy oblastnoy nauchno-issledovatel'skiy pediatricheskiy  
institut  
(ELECTROENCEPHALOGRAPHY, in various diseases,  
thuberc. meningitis in child. during ther. (Rus))  
(TUBERCULOSIS, MENINGEAL, in infant and child,  
EEG during ther. (Rus))

PHASE I BOOK EXPLOITATION

468

Turchenko, Yakov Ivanovich

Osnovnyye puti razvitiya obshchey, neorganicheskoy i fizicheskoy khimii na Ukraine; XIX st. i pervaya polovina XX st. (Basic Trends in the Development of General, Inorganic and Physical Chemistry in the Ukraine; the 19th Century and First Half of the 20th Century) Kiev, Izd-vo Kievskogo gos. univ-ta, 1957. 433 p. 4,000 copies printed. Sponsoring agencies: Ministerstvo vysshego obrazovaniya UkrSSR and Kievskiy tekhnologicheskiy institut legkoy promyshlennosti. Kafedra neorganicheskoy i analiticheskoy khimii.

Resp. Ed.: Kotov, M. P., Prof.; Ed.: Skvirskaya, M. P.; Tech. Ed.: Khokhanovskaya, T. I.

PURPOSE: The book is intended as a reference book for scientists interested in the history of chemistry.

COVERAGE: Some works pertaining to organic chemistry, analytical chemistry and chemical technology which contributed to the development of general and physical chemistry were included in this book to give full coverage of the history of

Card 1/6

## Basic Trends in the Development (Cont.)

468

development of general and physical chemistry in the Ukraine. Scientific works of Soviet and non-Soviet chemists published in 1800-1956 were used as source material. With some exceptions, material up to the second half of the 19th century was used. Brief biographies of the most famous chemists are given in footnotes. Data from books by G. A. Mel'nik, G. S. Al'terzon, etc. were included in the book. There are 760 references, 707 of which are Soviet, 40 German, 6 French, and 7 English.

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F. I. Gize

40

2. Development of chemistry in the Ukraine in the 1820-1840's.

3. Progress in the development of chemistry at Khar'kov University

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in the middle of the 19th century. A. I. Khodnev.

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## Basic Trends in the Development (Cont.)

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Basic Trends in the Development (Cont.) Ch. III. Development of Chemistry in the Ukraine at the Beginning of the 20th Century (Pre-October Period) 1. Development of the theory of solution in the Ukraine at the beginning of the 20th century 2. Development of colloid chemistry in the Ukraine Ch. IV. Development of Chemistry in the Ukraine During the Civil War and in the Restoration Period (1917-1927) 1. Growth of the network of scientific centers in the Ukraine 2. The Kiyev school of electrochemists 3. Dnepropetrovsk school of physical chemists 4. Khar'kov chemists in the first years after the October Revolution 5. The Odessa center of development of chemical thought in the first years after the October Revolution Ch. V. Development of Chemistry in the Ukraine During the First Five Year Plans 1. Electrochemical investigation of solutions and fusions 2. Formation of complexes in solutions and fusions 3. Kinetics and catalysis 4. Isotope chemistry	468 209 209 222 231 231 235 242 256 260 264 267 279 285 293
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## Basic Trends in the Development (Cont.)

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Card 5/6

Basic Trends in the Development (Cont.)	468
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AVAILABLE: Library of Congress

Card 6/6

TM/eag  
10/8/58

TURCHENKO, Ya. I.

Translation from: Referativnyy Zhurnal, Metallurgiya, 1957, Nr 1  
p. 6 (USSR) 137-1-71

AUTHOR: Turchenko, Ya.I.

TITLE: "Typicality of Nectary" (A handwritten collection of prescriptions for the industrial practice of the XVI century) ("Tipik Nektariya"-Rukopisnyy retsepturnyy sbornik po remeslennoy tekhnike XVI v.)

PERIODICAL: Tr. Kiyevsk. tekhnol. in-ta legkoy prom-sti, 1955 Nr 7,  
pp. 196-219

ABSTRACT: Part I of a manuscript dating back to the beginning of the XVIII century is presented. The work contains specifications and directions for the production of white lead. The technique of Au deposition on Ag, Cu, etc., is described in detail, a method of producing synthetic ("artificial") gold is presented, also other data.

Card 1/1

A.Sh.

TURCHENKO, Ya. I.

(1)

~~— History of communication among chroniclers of Slavonic countries. Ya. I. Turchenko. Uspekhi Khim. 22, 375-6 (1953).—Historical with citations and reproduction of letters. G. M. Kosolapoff~~

10-8-54 MEF

TURCHENKO, Ya.

Chemists

From the history of interrelations between chemists of Slavic countries. Usp. khim. 22, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

TURCHENKO, Ya. I.; FIGUROVSKIY, N.A., redaktor.

Nikolai Nikolaevich Beketov. Moskva, Izd-vo Akademii nauk SSSR,  
1954. 206 p. (MIRA 7:11)  
(Beketov, Nikolai Nikolaevich, 1827-1911)

TURCHENKO, Ya. I.

History of communication among chemists of Slavonic countries. *Uspekhi*  
Khim. 22, 375-6 '53.  
(CA 48 no.2;415 '54) (MIRA 6:3)

BULANZHE, I. N., kand.khimicheskikh nauk, dotsent; TURCHENKO, Ya. I., dotsent,  
kand. tekhn. nauk; ZIL'BERG, G. I., inzh.

Studying the wear resistance of phosphate coated steel surfaces.  
Report no.1. Izv.vys.ucheb.zav.; tekhn.leg.prom. no.4:147-153 '61.  
(MIRA 14:10)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.  
Rekomendovana kafedroy obshchey i analiticheskoy khimii.  
(Steel, Structural—Testing)  
(Phosphate coating—Testing)

S/137/62/000/001/208/237  
A154/A101

AUTHORS: Bulanzhe, I. N., Turchenko, Ya. I., Zil'berg, G. I.

TITLE: Investigation of the wear-resistance of phosphate-coated steel surfaces. Communication 1

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 94, abstract 11673  
("Izv. vyssh. uchebn. zavedeniy. Tekhnol. legk. prom-sti", 1961,  
no. 4, 147 - 153)

TEXT: A pure Mazhef solution is the most suitable for phosphate-coating small parts. Various additions of CaO, BaCO<sub>3</sub> and Ba(NO<sub>3</sub>)<sub>2</sub>, as well as passivation in a K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> solution, impair the external appearance of the items, giving them a greyish hue. The most aggressive solutions are Mazhef solutions containing BaCl<sub>2</sub>, and superphosphate solutions containing H<sub>2</sub>C<sub>2</sub>O<sub>4</sub> + Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub>. They can be recommended for phosphate-coating alloyed steels. The most corrosion-resistant coatings are obtained from a Mazhef solution brought to the required acidity by the addition of MnCO<sub>3</sub> or Na<sub>3</sub>PO<sub>4</sub>, with subsequent treatment in commercial vaseline. The corrosion-resistance of phosphate coatings is over 10 times higher than that of coatings obtained by hot sulfidizing or oxidizing. Phosphatizing increases

Card 1/2

Investigation of the...

S/137/62/000/001/208/237  
A154/A101

the wear-resistance of items subjected to comparatively low specific pressures ( $12 - 14 \text{ kg/cm}^2$ ) and low speeds (200 rpm). Under these conditions the most effective results are obtained in phosphate-phosphate friction. The friction surface becomes smooth, lustrous and black. The friction factor varies between 0.03 and 0.09. A film obtained from a Mazhef solution possesses the highest electrical resistivity -  $5 \cdot 10^7 \text{ ohm/cm}$  at  $20^\circ\text{C}$ . There are 7 references.

Authors' summary

[Abstracter's note: Complete translation]

Card 2/2

BOL'SHAKOV, L.A., kand.tekhn.nauk; BUL'SKIY, M.T., inzh.; TURCHENKOVA, Ye.K.,  
inzh.; YEGNUS, R.M., inzh.; SVIRIDENKO, F.F., inzh.; TARASOVA, L.P.,  
inzh.; SLEPKANEV, P.N., inzh.; GAVRIKOV, V.Z., inzh.

Efficient design of large rail ingot molds. Stal' 20 no.9:793-797  
S '60; (MIRA 13:9)

1. Zavod "Azovstal'" i Zhdanovskiy metallurgicheskiy institut.  
(Ingot molds)

TURCHINOVICH, N.N.

USSR/Microbiology. Hemoglobinophilic Bacteria. Pathogenic Fungi  
and Actinomycetes

F-5

Abs Jour : Ref Zhur - Biol., No 14, 1953, № 62526

Author : Turchinovich N.N.

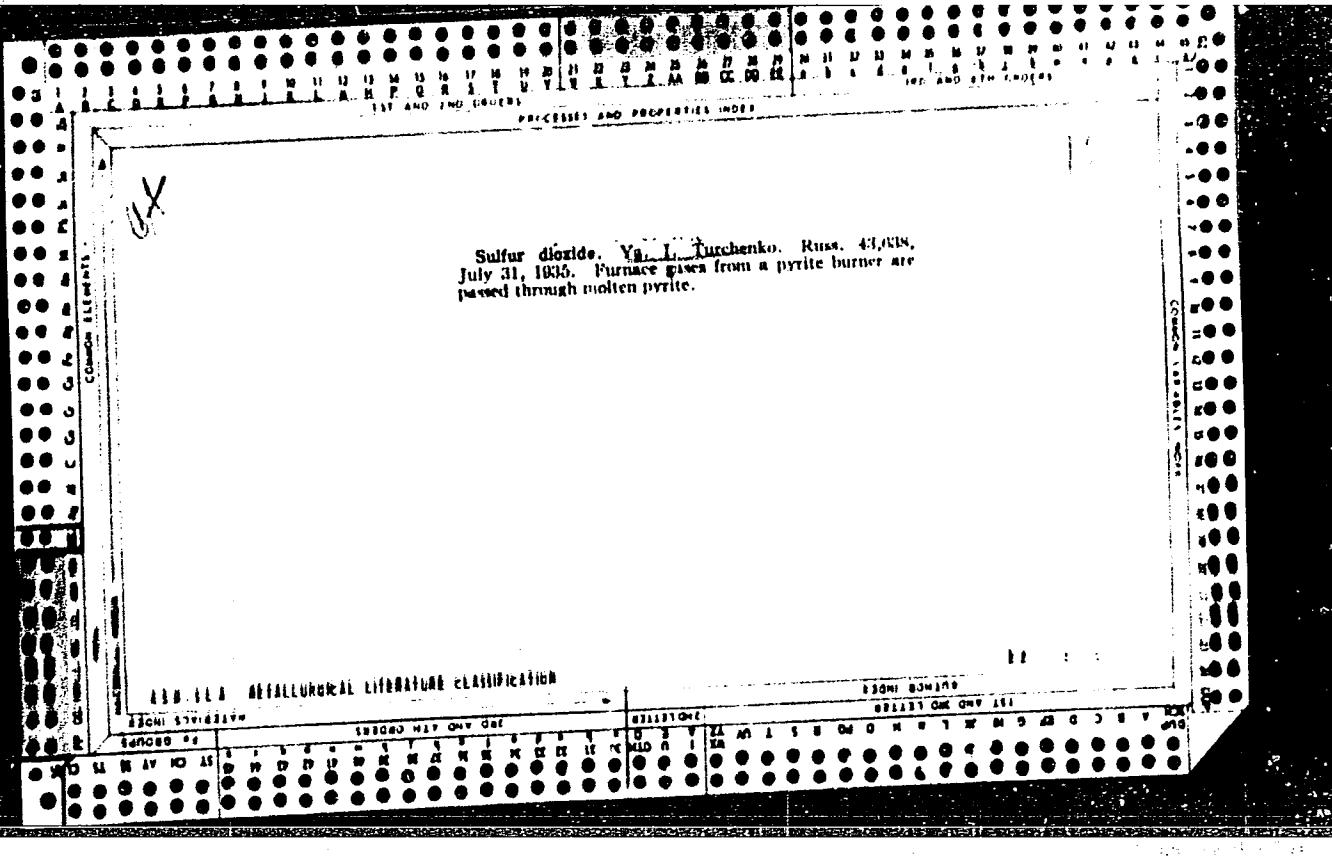
Inst : Stalinskiy Institute for the Advanced Training of Physicians

Title : Candidamycoses in Ophthalmology. Experimental Data

Orig Pub : Sb. tr. Stalinsk. in-t usoversh. vrachey, 1957, 27, 338-  
346

Abstract : No abstract

Card : 1/1



TURCHENKO, Yakov Ivanovich; KOTOV, M.P., prof., otvetstvennyy red.;  
SKVIRSKAYA, M.P., red.; KHOKHANOVSKAYA, T.I., tekhn.red.

[Main lines of the development of general, inorganic and physical  
chemistry in the Ukraine (the 19th century and the first half of  
the 20th century)]. Osnovnye puti razvitiia obshchei, neorganicheskoi  
i fizicheskoi khimii na Ukraine (XIX st. i pervaia polovina XX st.).  
Kiev, Izd-vo Kievskogo gos.univ.im.T.G.Shevchenko, 1957. 433 p.  
(MIRA 10:12)

(Ukraine--Chemistry--History)

or other "guidelines." The project's shortcomings, they

(b) ASWIG, FROM REPORT OF 6-6-7 CHM, RECORDED WITH  
THE DATE OF 10-10-77, IS IDENTIFIED WITH

TURCHENKOV, V.I.

A.C. phase sensitive resistor trigger circuit. Priborostroenie  
no. 12219-21 D 16A. (MIRA 18:3)

EXCERPTA MEDICA Sec 7 Vol. 11/6 Pediatrics June 57

5)

1524. STEINBURKH N.V. and TURCHENKOVA V.Yu. Reg. Sci. and Exp. Inst. of Paed., Tostov, USSR. "Changes in the encephalograms of children suffering from tuberculous meningitis during treatment (Russian text)" Z. NEVROPAT. PSIKIAT. 1956, (725-730)-730

564 EEG's were recorded of 61 children suffering from tb meningitis and of 25 children with serous meningitis and meningo-encephalitis of non tb origin. The number of recordings for one patient varied from 1 to 22 and the period of observation from 1 to 250 days. The EEG's were recorded by fronto-occipital derivations and additional bipolar occipito-temporal and temporal-frontal derivations as well as unipolar derivations from frontal, temporal, central and occipital areas were recorded. As a rule all the EEG's recorded in patients suffering from tb meningitis in the acute stage showed distinct pathological phases with characteristic depression of the  $\alpha$ -rhythm and appearance of pathological slow waves. The frequency of the waves decreased and the voltage increased in ratio to the severity of the process. When treatment is started early in the quiescent phase of the process the EEG may become normal long before the meningeal symptoms disappear or the CSF returns to normal. When treatment is started at a later stage normalisation may be delayed until the 30th-60th days of the illness. In the convalescence period the  $\alpha$ -rhythm is very unstable with regard to frequency and amplitude. When the disease becomes progressively generalized, death may be preceded by gradual decrease of the voltage of the slow waves which become irregular. The repeated appearance or increase of pathological slow waves after 4-5 days preceded the appearance of the first clinical symptoms of exacerbation or relapse. The above findings permit the conclusion that the presence of pathological slow waves points only to the severity of the disease and reflects the stage of the process but is not a specific symptom of tb meningitis. The data obtained by encophalography are no criteria in the differential diagnosis between tb meningitis and lymphocytic meningitis of non-tb origin in children, as stated by Tural et al.

Soloveva - Moscow (XV, 7, 8)

L 40851-66 EWT(1)  
ACC NR: AP6010022

SOURCE CODE: UR/0119/66/000/003/0009/0009

AUTHOR: Turchenkov, V. I. (Engineer)

46  
B

ORG: none

TITLE: Passive-element multiplier

SOURCE: Priborostroyeniye, no. 3, 1965, 9

TOPIC TAGS: logic element, computer component, electron multiplier

ABSTRACT: A multiplier such as the one shown in Fig. 1 can easily be built from passive elements if the voltage from a frequency sensor output is used as one of the multiplicands.

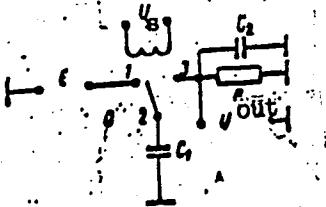


Fig. 1 Functional diagram of a multiplier.  
The voltage  $U_1$  is controlled by a switching device.

UDC: 621.374.4

Card 1/2

L 40851-66

ACC NR: AP6010022

The note presents the basic theory of the device and discusses its operation. A possible practical version of the multiplier is shown in Fig. 2. Orig. art. has: 5 formulas and 3 figures.

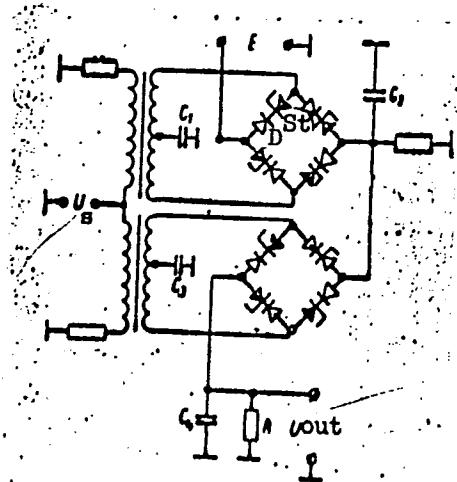


Fig. 2 Basic diagram of a multiplier:  
 $C_1$ ,  $C_3$  - intermediate capacitors;  $C_2$ ,  
 $C_4$  - filter condensers;  $D$  - diode;  $St$  -  
stabililite.

SUB CODE: 09/ SUBM DATE: 00/ ORIG REF: 001/ OTH REF: 000

Card 2/2 MLP

L 34070-66 EWT(1) GG

ACC NR: AP6019781

SOURCE CODE: UR/0119/66/000/006/0017/0018

AUTHOR: Turchenkov, V. I. (Engineer)48  
B

ORG: none

TITLE: Phase switch based on semiconductor devices

SOURCE: Priborostroyeniye, no. 6, 1966, 17-18

TOPIC TAGS: trigger circuit, semiconductor device

ABSTRACT: A trigger circuit is discussed with two stable states characterized at its output by ac voltages whose phases differ by  $180^\circ$ . The circuit is activated by an ac input signal envelope exceeding a certain threshold. Functionally, the circuit is an ac dual of a Schmidt trigger circuit. Its schematic diagram is shown in the figure. It consists of an emitter coupled flip-flop fed by two full-wave rectifiers acting on an ac reference voltage  $U_{ref}$ . The circuit's threshold level is set by Zener diodes  $D_6 - D_8$ . To change the state of the circuit, the reference and input voltages must be in synchronism. The time constant  $R_1 C_1$  determines the duration  $t_1$  (see time chart); these are inversely related. The circuit was tested for stability, establishing that if transistor  $\beta$  is changed from 20 to 100 the threshold level changes from 16.5 to 17.2 v rms. When  $U_{ref}$  is changed from 8 to

UDC: 621.314.252

Card 1/2

L 34070-66

ACC NR: AP6019781

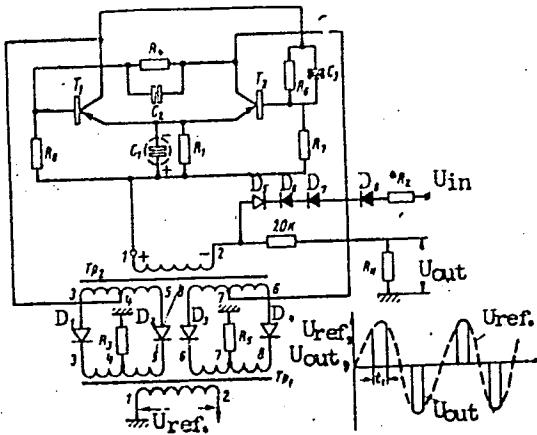


Fig. 1. AC trigger circuit

13 v rms the threshold levels change from -17, +17.7 to -18, +18.5 v rms, respectively (the signs refer to opposite phases). The threshold vs temperature tests indicated the following: at 20C the threshold levels were +17 and -17 v; at 60C they were +16.85 and -16.85; and at -60C they were +16.5 and -16.6 v rms, respectively. The circuit may also find application as a pulse width modulator if it is slightly modified (if the  $R_1C_1$  combination is replaced by a regulated power supply, and if  $U_{ref}$  is a sawtooth voltage source). Orig. art. has: 1 figure. [BD]

SUB CODE: 09/ SUBM DATE: none  
ATD PRESS: 50/8

Card 2/2

TURCHENKOVA, Ye.K., inzh.; SIKORSKIY, A.I., inzh.; YEGNUS, R.M., inzh.;  
BOLDIREV, L.I., inzh.; RAZNOTINA, Ye.T., inzh.; BOL'SHAKOV, L.A.,  
kand.tekhn.nauk; GAVRIKOV, V.Z., inzh.

Life of 650 rolling mill sleeve joints made of cast iron with  
spheroidal graphite. Stal' 18 no.8:763-766 Ag '58. (MIRA 11:8)

1.Zhdanovskiy metallurgicheskiy institut i zavod "Azovstal'".  
(Cast iron--Metallography)

SOV/133-58-8-29/30

AUTHORS: Turchenkova, Ye.K., Sikorskiy, A.I., Yegnus, R.M.;  
Boldyrev, L.I., Raznotina, Ye.T., Engineers, Boi'shakov,  
L.A., Candidate of Technical Sciences, and Gavrikov, V.Z.,  
Engineer

TITLE: Performance of the Coupling Sleeves Made From Nodular Iron  
at the Mill 650 (Rabota soyedinitel'nykh muft iz chuguna  
s sharovidnym grafitom na stane 650)

PERIODICAL: *Stal'*, 1958, Nr 8, pp 763 - 766 (USSR)

ABSTRACT: As the durability of the coupling sleeves of the mill 650  
made from grey iron decreased with increased degree of  
reduction per pass introduced in the rolling practice, the  
use of sleeves made from nodular iron was investigated.  
Four series of experimental smelting of magnesium-inoculated  
iron were carried out. Sleeves from the first series  
were tested as cast and of the remaining series after  
various heat treatments. The chemical composition,  
mechanical and conditions of thermal treatment are given  
in Table 1. The microstructure of heat-treated metal  
- Figures 1-3, the mould for casting of sleeves - Figure 4,  
the results of service life of sleeves made from nodular  
iron, grey iron and steel - Table 2. On the basis of the  
results obtained, it is concluded that the service life

Card1/2

SOV/133-58-8-29/30  
Performance of the Coupling Sleeves Made from Nodular Iron at the  
Mill 650

of sleeves from nodular iron is 4-6 times higher than that  
of sleeves made from grey iron. The optimum heat treatment  
is normalisation with subsequent annealing at 580 °C.  
Sleeves should be cast with the consumption of metal for  
shrinkage head not less than 20% of the weight of casting.  
When coupling sleeves are not heat-treated, then the sum  
of C + Si in nodular iron should be maintained in a range  
of 5.5-6.0%. There are 5 figures and 2 tables.

ASSOCIATIONS: Zhdanovskiy metallurgicheskiy institut (Zhdanov  
Metallurgical Institute) and Zavod "Azovstal'"  
("Azovstal'" Works)

Card 2/2

1. Couplings--Materials    2. Couplings--Test results  
3. Iron--Applications    4. Steel--Applications

KRASOVITSKIY, V.S., kand.tekhn.nauk; TURCHENKOVA, Ye.K., inzh.; YEGOROV,  
R.M., inzh.

Increasing the durability of closed-bottom molds. Stal' 21 no.5:  
475-476 My '61.  
(MIRA 14:5)

1. Zhdanovskiy metallurgicheskiy institut i zavod "Azovstal'."  
(Steel ingots)

ABDAMUHOVA-ZEPALOVA, O.N., GEFTER, YU.M., GLYNKA-CHERNIGOVSKAYA, YE.L.,  
MILIK-ZAGDASAROV, M.G., TURGUTZHO, YE.I., TYOMAH-CHETVYAGNOVA, YE.E.  
Metabolism

Changes of the metabolism index in tissues of rats due to alimentary protein deficiency.  
Ukr.biokhim.zhur. 22, no. 3, 1950.

9. Monthly List of Russian Accessions, Library of Congress, OCTOBER 1952  
1953. Unclassified.

ASBAKHOVA-ZEPALOVA, O.N., GEFTER, YU.M., GIYNKA-CHERNORUTSKAYA, YE.I.,  
MELIK-BAGDASAROVA, N.G., TURCHENKO, YE.I., TIDMAN-GETVARKOVA, YU.K.

Proteins

Changes of the metabolism index in tissues of rats due to alimentary protein deficiency.  
Ukr.biokhim.zhur. 22, no. 3, 1950.

OCTOBER 1952  
9. Monthly List of Russian Accessions, Library of Congress, ~~SECRET~~ Unclassified.

ABBAKUMOVA-ZEPALOVA, O.N., GEFTER, YU. N., GLYNKA-CHERNCHUTSKAYA, YE. L.,  
MELIK-BAGDASARCV, M.G., TURCHENKO, YE. I., TYDUM-CHETVERCKOVA, YE. K.  
*MARY*

Proteins

Changes of the metabolism index in tissues of rats due to alimentary protein deficiency,  
Ukr. biokhim, zhur., 22, No. 3, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

GAL'PERIN, Ye.I.; TURCHENKOV, V.I.

Ring phase detector for high output voltages. Priborostroenie  
no.11:21-22 N '62. (MIRA 15:12)  
(Voltage regulators)

TURCHENKOV, V.

switching circuit using diodes. Radio nc.2:40-42, 44 F 164.  
(MIRA 17:3)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2

TURCHENKOV, V.I., inzh.

An a.c. time relay. Avtom., telem. i sviaz' 7 no.11;14-15 N '63.  
(MIRA 16:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2"

L 19009-63

BDS/EWT(d)

ACCESSION NR: AP3006405

S/0119/63/000/008/0025/0026

X 15

AUTHOR: Turchenkov, V. I.

TITLE: An instrument for measuring high speeds within a small angle of shaft rotation (Author's Certificate no. 149637)

SOURCE: Priborostroyeniye, no. 8, 1963, 25-26

TOPIC TAGS: speed, speed measurement, shaft speed measurement

ABSTRACT: A new instrument is described for measuring high speeds of motors, turbines, etc., or for measuring the speed within a small angle of turn of the shaft; in the latter case, a linear-potentiometer-type primary detector is required. A rectangular pulse whose duration is "proportional to the speed" is integrated, and stored as a voltage; the voltage is amplified and applied to an indicating instrument whose scale is calibrated in speed units. The instrument can measure "high speeds, such as 1,000 degrees/sec and more," within a 0.5-degree or less angle. Diagrams and figures.

Card 1/4

KRASOVITSKIY, V.S., kand.tekhn.nauk; TURCHENKOVA, Ya.K., inzh.;  
YEGNUS, R.M., inzh.

Chill casting of trays for ingot molds. Stal' 23 no.2:185-187  
(MIRA 16:2)  
F '63.

1. Zhdanovskiy metallurgicheskiy institut i Avoskiy staleplavil'nyy  
zavod im. Sergo Ordzhonikidze v Zhdanove.  
(Iron founding)

KRASOVITSKIY, V.S., kand.tekhn.nauk; BOL'SHAKOV, L.A., kand.tekhn.nauk;  
TURCHENKOVA, Ye.K., inzh.; GORBANEV, Ya.S., inzh.; YEGNUS, R.M.,  
inzh.; CHUMAK, M.A., inzh.; KISSEL', N.N., inzh.; SAL'MAN, B.Sh.,  
inzh.

Increasing the stability of ingot molds by an addition of  
ferrotitanium. Stal' 23 no.8:717-718 Ag '63. (MIRA 16:9)

1. Zhdanovskiy metallurgicheskiy institut, zavod "Azovstal'" i  
zavod im. Il'icha.  
(Ingot molds)

BOL'SHAKOV, L.A.; TURCHENKOVA, Ye.K.

Equal wall solid bottom molds. Metallurg 6 no.9:16 8/61.  
(MIRA 14:9)  
1. Zhdanovskiy metallurgicheskiy institut i zavod "Azovstal'".  
(Ingot molds)

TURCHENOV, N.I.

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Solid Mineral Fuels

I-7

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2459

Author : Turchenov, N.I.

Inst :  
Title : Ensuring Uniform Quality of Metallurgical Coke as  
Concerns Its Mechanical Strength.

Orig Pub : Koks i khimiya, 1957, No 4, 18-23

Abstract : On the basis of the plastometric-component classification of coal, proposed by the author, a method has been developed for determining the anticipated mechanical strength of coke, from data concerning the amount of heliphycized matter (vitrain group) and cutin elements (H + C), fusainized components and coking index of coal mixtures. A computation batching chart is provided, the use of which makes it possible to determine the proportions of individual components of the batch mixture and the

Card 1/2

. USSR/Chemical Technology .. Chemical Products and Their  
Application. Treatment of Solid Mineral Fuels

I-7

• Abs Jour : Ref Zhur ~ Khimiya, No 1, 1958, 2459

plastometric-component characteristics for a given  
strength of the coke.

Card 2/2

TURCEK, F.

SCIENCE

Periodical BIOLOGICKÉ PRACE. Vol. 4, no. 8, 1958.

TURCEK, F. Trees, birds, and mammals in some bush belts between fields. p. 47.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 3, March, 1959. LC  
Unclassified

DUBROVIN, Ye., dotsent; MERKULOV, Ye., dotsent; TURCHIKHIN, E., dotsent

Precast reinforced concrete city pavements. Zhil.-kom.khoz.  
10 no.9:27-29 '60. (MIRA 13:9)

1. Kafedra dorog Vsesoyuznogo zaochnogo inzhenerno-stroitel'nogo  
instituta. (Pavements, Concrete)

TURCHIKHIN, E.

TURCHIKHIN, E., inzhener.

X-ray method of examining asphalt concrete. Zhil.-kom.khoz. 4  
no.4:26-27 '54. (MLRA 7:7)  
(Asphalt) (X-rays--Industrial applications)

MURZAYEVA, L.; TURCHIKHIN, E.

Making high-quality asphalt concrete. Zhil.-kom. khoz. 9 no.4:  
25-26 '59. (MIRA 12:7)  
(Asphalt concrete)

TURCHIKHIN, E., dotsent; ZAYTSEV, L., starshiy prepodavatel'

Connection with life. Zhil.-kom. khoz. 13 no.4:19-20 Ap '63.  
(MIRA 16:5)  
(Municipal services--Study and teaching)

1:

GUREVICH, L., kand. tekhn. nauk; TURCHIKHIN, E., kand. tekhn. nauk

Using colored materials in constructing pavements. Zhil.-kem. zhaz.  
9 no.9:16-17 '59. (MIRA 13:2)

(Pavements)

OL'MEZOV, G., inzhener; TURCHIKHIN, E., inzhener.

"Asphalt concrete road surfaces." L.B. Gezentsvei. Reviewed  
by G. Ol'mezov, E. Turchikhin. Zhil.-kom.khoz. 5 no.8:28 '55.  
(MLRA 9:3)

(Roads, Concrete) (Gezentsvey, L.B.)

ACC NR:

AM6010600

(A)

Monograph

UR/

Dubrovin, YEvgeniy Nikolayevich; Turchikhin, Emmanuil YAkovlevich

Prestressed reinforced concrete used in the construction of city streets (Predvaritelno napryazhenyy zhelezobeton v stroyitel'stve gorodskikh dorog) Moscow, Stroyizdat, 1965, 302 p. illus., biblio., tables. 3,500 copies printed.

TOPIC TAGS: highway construction, railway construction, concrete, reinforced concrete

PURPOSE AND COVERAGE: This book gives the results of experiments made by scientists and production organizations, and it includes studies made by the author in the field of design construction and technology of building monolithic and sectional road surfaces and rail supports for trolley lines from prestressed reinforced concrete. Also shown are the developments in foreign technology and practice in this field.

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Ch. II. Road constructions using prestressed reinforced concrete -- 31	
Ch. III. Materials for preparing prestressed reinforced constructions -- 61	

Card 1/2

UDC:625.7/.8:691.32

ACC NR:  
AM6010600

Ch. IV. Construction and experimental studies -- 68  
Ch. V. Design of prestressed reinforced concrete surfaces and rail supports -- 75  
Ch. VI. Mechanisms and equipment -- 148  
Ch. VII. Technology of constructing monolithic road surfaces -- 184  
Ch. VIII. Technology of industrial manufacturing of prestressed reinforced concrete constructions -- 205  
Ch. IX. Technology of construction of road surfaces and trolley lines from sectional parts -- 241  
Ch. X. Problems of the use of city streets made from prestressed reinforced concrete -- 273  
Ch. XI. Economic effectiveness of using prestressed reinforced concrete in city road construction -- 281  
Bibliography -- 296

SUB CODE: 13 / SUBM DATE: 22Jul65 ORIG REF: 085 OTH REF: 021

Card 2/2

MERKULOV, Yefim Afanas'yevich, dots., kand. tekhn. nauk; DUBROVIN,  
Yevgeniy Nikolayevich, dots., kand. tekhn. nauk; TURCHIKHIN,  
Emmanuil Yakovlevich, dots., kand. tekhn. nauk; YUDIN, Vasiliy  
Aleksandrovich, dots., kand. tekhn. nauk; Prinimali uchastiye:  
SLAVUTSKIY, A.K., dots., kand. tekhn. nauk; ZAYTSEV, L.K., inzh.;  
ZAMAKHAYEV, M.S., red.; OVSYANNIKOVA, Z.G., red. izd-va

[Examples of the design of roads and public transportation systems  
in cities] Primery proektirovaniia dorog i setei passazhirskogo  
transporta v gorodakh. [By] E.A. Merkulov i dr. Moskva, Gos. izd-  
vo "Vysshiaia shkola," 1962. 265 p. (MIRA 16:2)  
(Road construction) (Rapid transit)

DUBROVIN, Yevgeniy Nikolayevich; TURCHIKHIN, Emmanuil Yakovlevich  
Prinimal uchastiye NAUMENKO, V.S., kand. tekhn. nauk;  
NIKOLAYEVA, N.M., red.

[Prestressed reinforced concrete in the construction of  
city streets] Predvaritel'no-napriazhennyi zhelezobeton v  
stroitel'stve gorodskikh dorog. Moskva, Stroizdat, 1965.  
(MIRA 18:12)  
302 p.

TURCHIKHIN, E., inzhener

Investigating the water permeability of a bituminous film by means  
of tagged atoms. Zhil.-kom.khoz.5 no.5:24-25 '55. (MLRA 8:11)  
(Road materials)

VINITSKIY, L., dotsent; DUBROVIN, Ye., dotsent; TURCHIKHIN, E., dotsent

Elastic securing of rails to reinforced-concrete ties. Zhil.-kom.  
khoz. 10 no.10:30-31 '60. (MIREA 13:10)

1. Vsesoyuznyy zaochnyy inzhenerno-stroitel'nyy institut.  
(Street railways--Rails)

TURCHIKHIN, E. Ya.

TURCHIKHIN, E. Ya., Cand Tech Sci, -- (diss) "Study of the water permeability of asphalt concrete by means of radioactive isotopes." Mos, 1958. 13 pp (Min of Higher Education USSR. Mos Order of Labor Red Banner Engineering -Construction Inst im.V.V. Kuybyshev). 200 copies (KL,20-58,98)

STRAMENTOV, A.Ye., prof., doktor tekhn.nauk; AKSEL'ROD, L.S., dots., kand.  
tekhn.nauk; TURCHIKHIN, E.Ya., inzh.

Using autoradiography in testing waterproofness of asphalt and cement  
concretes. Nauch.dokl.vys.shkoly; stroi. no.1:246-250 '58.  
(MIRA 12:1)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury (for  
Stramentov). 2. Rekomendovana kafedroy grodskogo stroitel'stva i  
khozyaystva Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V.  
Kuybysheva.

(Radioisotopos--Industrial application)  
(Concrete--Testing)

1. УЧЕБНО-МЕТОДИЧЕСКАЯ ЛИТЕРАТУРА  
СПЕРАНТОВ, Н., кандидат технических наук; TURCHIKHIN, E.

Using radioactive isotopes in controlling production of packed  
slabs. Stroi.mat. 2 no.12:30-31 D '56. (MLRA 10:2)

1. Zaveduyushchiy laboratoriyye instituta im. V.V.Kuybysheva  
(for Turchikhin).

(Radioisotopes-- Industrial applications)  
(Building blocks)

DUBROVIN, Yevgeniy Nikolayevich; TURCHIKHIN, Emmanuil Yakovlevich;  
SHAFRAN, Vladimir Leont'yevich; SAMOYLOV, D.S., red.;  
ISEYEVA, R.Kh., red.izd-va; KHENOKH, F.M., tekhn. red.

[City vehicular and pedestrian crossings at various levels]  
Gorodskie transportnye i peshekhodnye peresecheniya v raz-  
nykh urovniah. Moskva, Izd-vo MKKh RSFSR, 1963. 131 p.  
(MIRA 17:2)

DUBROVIN, Yevgeniy Nikolayevich; TURCHIKHIN, Emmanuil Yakovlevich;  
YUDIN, Vasiliy Aleksandrovich; LANTSBERG, Yu.S., red.;  
OVSYANNIKOVA, Z.G., red.izd-va; GRIGORCHUK, L.A., tekhn.  
red.

[Organization of the construction and operation of urban  
roads] Organizatsiia stroitel'stva i ekspluatatsii gorod-  
skikh dorog. Moskva, Vysshiaia shkola, 1963. 305 p.  
(MIRA 16:8)

(Road construction) (Streets)

DUBROVIN, Yevgeniy Nikolayevich; ZAYTSEV, Leonid Konstantinovich;  
TURCHIKHIN, Emmanuil Yakovlevich; SOSYANTS, V.G., red.;  
LYUBINA, R.M., red.izd-va; KHENOKH, F.M., tekhn. red.

[The economics and the organization of the building and  
maintenance of city roads] Ekonomika i organizatsiia stroi-  
tel'stva i ekspluatatsii gorodskikh dorog. Moskva, Izd-vo  
MKKh RSFSR, 1963. 233 p. (MIRA 16:10)

(Roads)

TURCHIKHIN, E.Ya., inzhener.

Using radioactive isotopes for testing water resisting properties of  
the asphalt cement. Ger. khuz. Mosk. 31 no.3:34-35 Mr '57.  
(Asphalt--Testing) (MLRA 10:4)  
(Radioisotopes--Industrial applications)

TIKHONOV, A.Ya., prof.; TURCHIKHIN, E.Ya., inzh.

Using radioactive isotopes for studying surface additives in  
asphalt concrete. Avt.dor.20 no.10:36-37 O '57. (MIRA 10:12)  
(Radioisotopes--Industrial applications) (Asphalt concrete--Testing)

DUBROVIN, Ye.N. dotsent; MERKULOV, Ye.A., dotsent; TURCHIKHIN, E.Ya.  
dotsent

Use precast reinforced concrete in road construction.  
Gor, khoz. Mosk. 36 no.9:17-20 S '62 (MIRA 15:10)

1. Vsesoyuznyy zaochnyy inzhenerno-stroitel'nyy institut.  
(Prestressed concrete construction) (Moscow—Road construction)

DUBROVIN, Yevgeniy Nikolayevich; TURCHIKHIN, Emmanuil Yakovlevich;  
ZAMAKHAYEV, M.S., red.

[Pavements of prestressed reinforced concrete] Dorozhnye  
pokrytiia iz predvaritel'no napriazhennogo zhelezobetona.  
Moskva, Transport, 1964. 97 p. (MIRA 17:6)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2

DUBROVINS, Vasilij BOYKOVS, L.S., TURCHENIN, B.I.

... solved problem. Avtodor. 28 no. 8121-23 Ag 165.  
(MTR4 18:11)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757520002-2"

BIGDABURG, R.M.; GOTOV, V.S.; PONBERG, R.F.; MONTALEV, G.A.  
TURCHINSKAYA, L.YA.

Using infrared rays an asphalt concrete standard was made on  
28 nos. 902-02 C 165.

S/117/60/000/006/005/010  
AC04/AC02

AUTHOR: Turchin, D.Ye.

TITLE: Press Mold for the Manufacture of Plastic Gears

PERIODICAL: Mashinostroitel', 1960, No. 6, p. 24

TEXT: The author reports on a new press mold for the manufacture of caprone gears which was made at the "Tashtekstil'mash" Plant. The gear with cast spiral tooth is reinforced by a metal bushing. The gear rim is pressure-cast in a special press-mold on the ЛД-50 (LD-50) thermoplastic automatic. A diagram shows the design of the press mold which consists of a stationary and movable part. The stationary part is placed in a flange and is fastened to a stationary plate of the thermoplastic automatic. The author gives a detailed description of the press-mold design and its operation and points out that the manufacture of caprone gears by this method sets free gear-milling machines and saves metal. Moreover, caprone gears ensures noiseless operation. There are 2 figures.

Card 1/1

TURCHIN, D.Ye.

Mold for making plastic pinions. Mashinostroitel' no.6:24  
Je '60. (MIRA 13:8)  
(Plastics--Molding)

1. TURCHIN D.YE.
2. USSR (600)
4. Turning
7. New system of trunions tapered pins. Vest.mash. 33 no.1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

TURCHIN, F., doktor sel'skokhoz.nauk, prof.

Chemistry and the harvest. NTO 6 no.1:5-6 Ja '64. (MIRA 17:2)

1. Predsedatel' sektsii khimizatsii TSentral'nogo pravleniya Vsesoyuznogo khimicheskogo obshchestva im. Mendeleyeva.

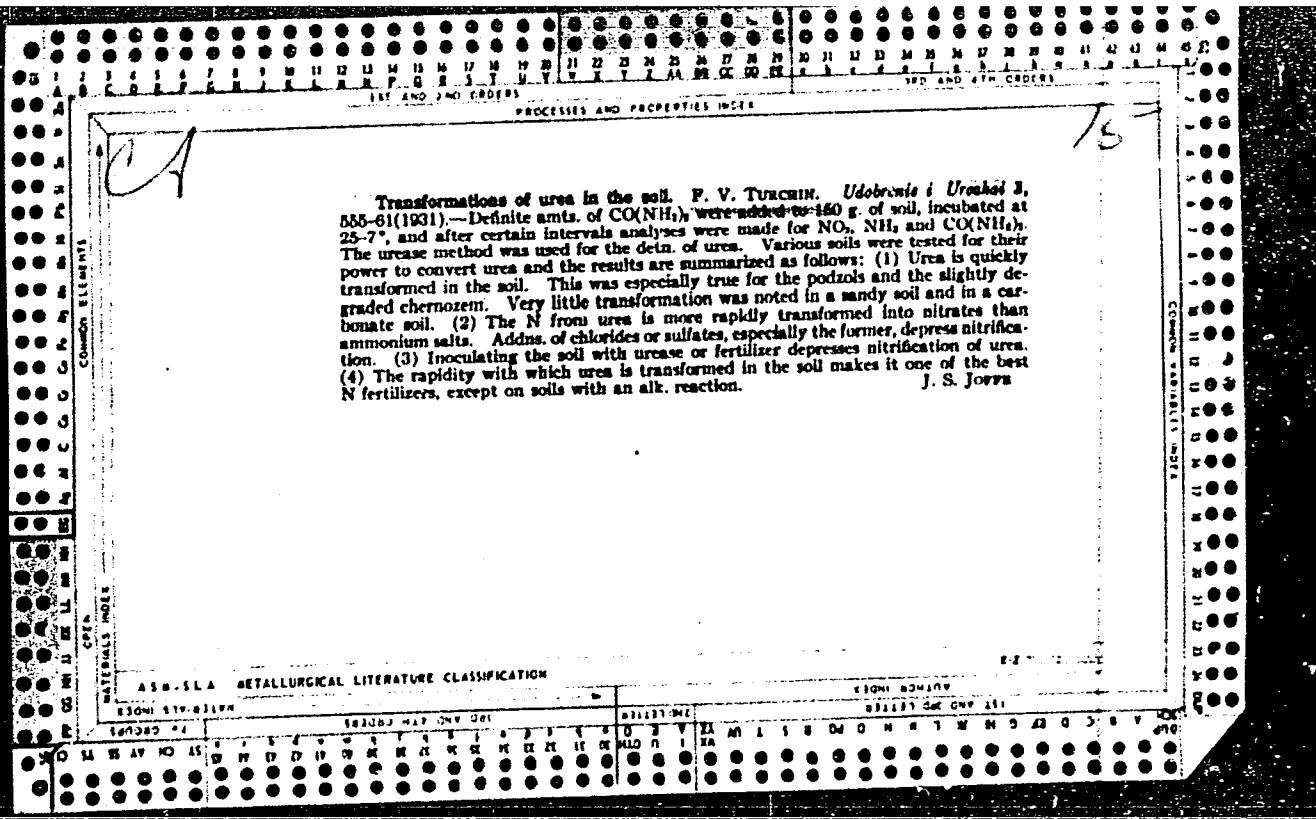
TURCHIN, S., kapitan lujo ranga

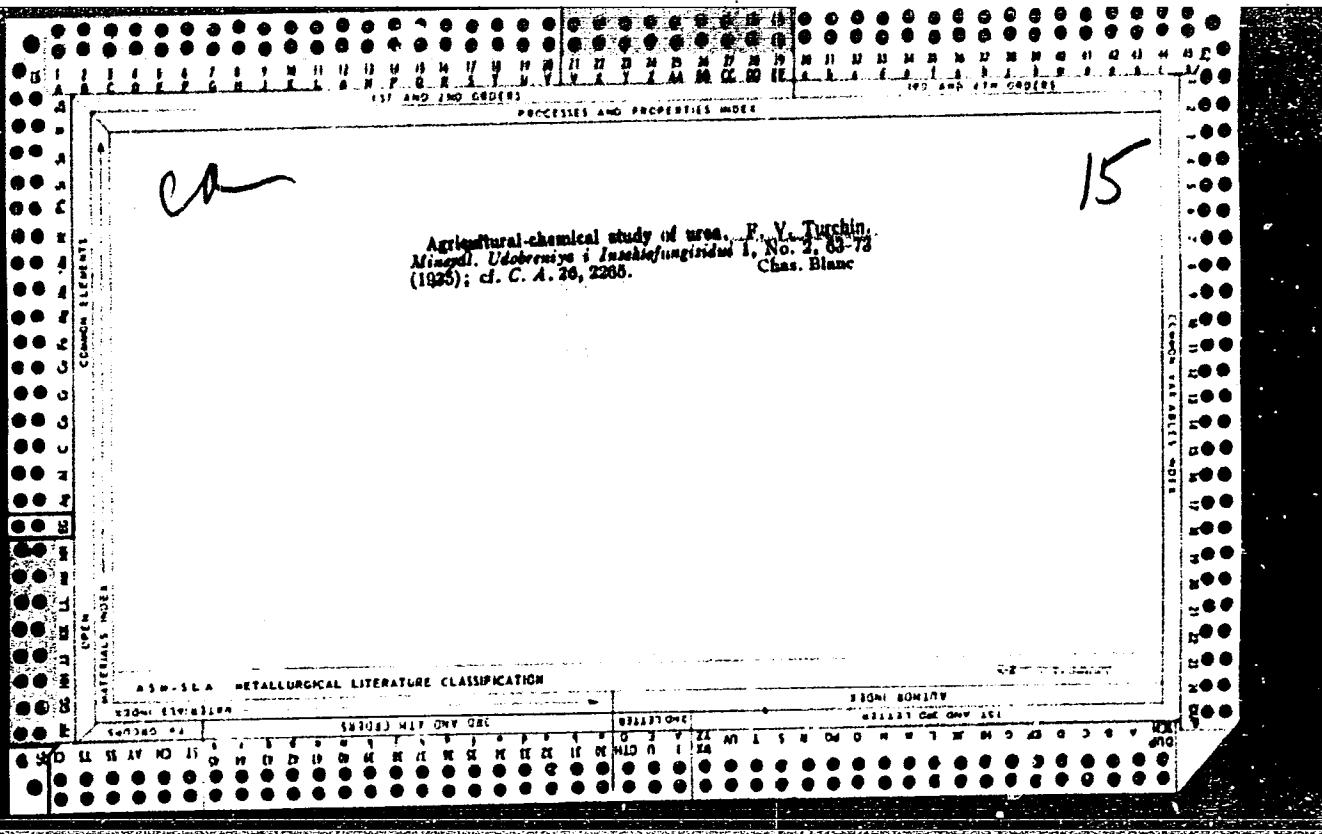
Political education of workers and employees. Korea. 1964.  
SIL 4 no.12:32-37 Je '64. (MIA 177)

SOKOLOV, A. V., prof.; TURCHIN, E. V., prof.

Use of the isotopes P<sup>32</sup> and N<sup>15</sup> in the agricultural chemistry.  
Zhur. VKHO 7 no.5:489-494 '62. (MIRA 15:10)

(Agricultural chemistry) (Phosphorus—Isotopes)  
(Nitrogen—Isotopes)





**Comparative effectiveness of Ammonitrophoses.** F. V. Turchin, *Mineral. Udalosty i Issledovaniya* 1 (1938) 1, No. 3, 41-50 (1938).—The availability of Ammonitrophoses is determined by their chem. compn., and the methods of production. The product, obtained by sattn. with  $\text{NH}_3$  of the  $\text{HNO}_3$  ext. of phosphorite without preliminary partial sepn. of  $\text{Ca}$ , is a mixt. of  $\text{NH}_4\text{NO}_3$  and  $\text{Ca}(\text{PO}_4)_2$ , and therefore, is only suitable for use in acid soils. By a complete sepn. of  $\text{Ca}$  with  $(\text{NH}_4)_2\text{SO}_4$  from the  $\text{HNO}_3$  extn. of phosphorite with subsequent neutralization with  $\text{NH}_3$ , a mixt. of  $\text{NH}_4\text{NO}_3$  and  $\text{NH}_4\text{H}_2\text{PO}_4$  (Ammonphos) results with high fertilizing effectiveness. The products obtained by sepn. of 0.6 of the  $\text{Ca}$  from the  $\text{HNO}_3$  extn. of phosphorites with  $(\text{NH}_4)_2\text{SO}_4$  and neutralization of the mixt. at  $p_0 = 0.3-0.8$  with  $\text{NH}_3$  are mixts. of  $\text{NH}_4\text{NO}_3$  and  $\text{Ca}(\text{H}_2\text{PO}_4)_2$ . The effectiveness of these fertilizers depends on the temp. conditions of their prepn. The products obtained by sattn. at 30-40° and subsequent drying at 100° gave better harvests than the similar products obtained at higher temps. of sattn. and drying. Their effectiveness in 3 different kinds of soil in pot expts. was equal to that of the mixt. of  $\text{NH}_4\text{NO}_3$  with superphosphate or with chemically pure aq. ppt. The degree of solv. in citrate soln. is an indication of the effectiveness of these products.

This method is not suitable for the products contaminated with Fe and Al phosphates, because they are also insoluble in a citrate soln. though their  $P_2O_5$  is less available for plants than that of  $Ca(H_2PO_4)_2$  and  $Ca(HPO_4)_2$ . C. B.

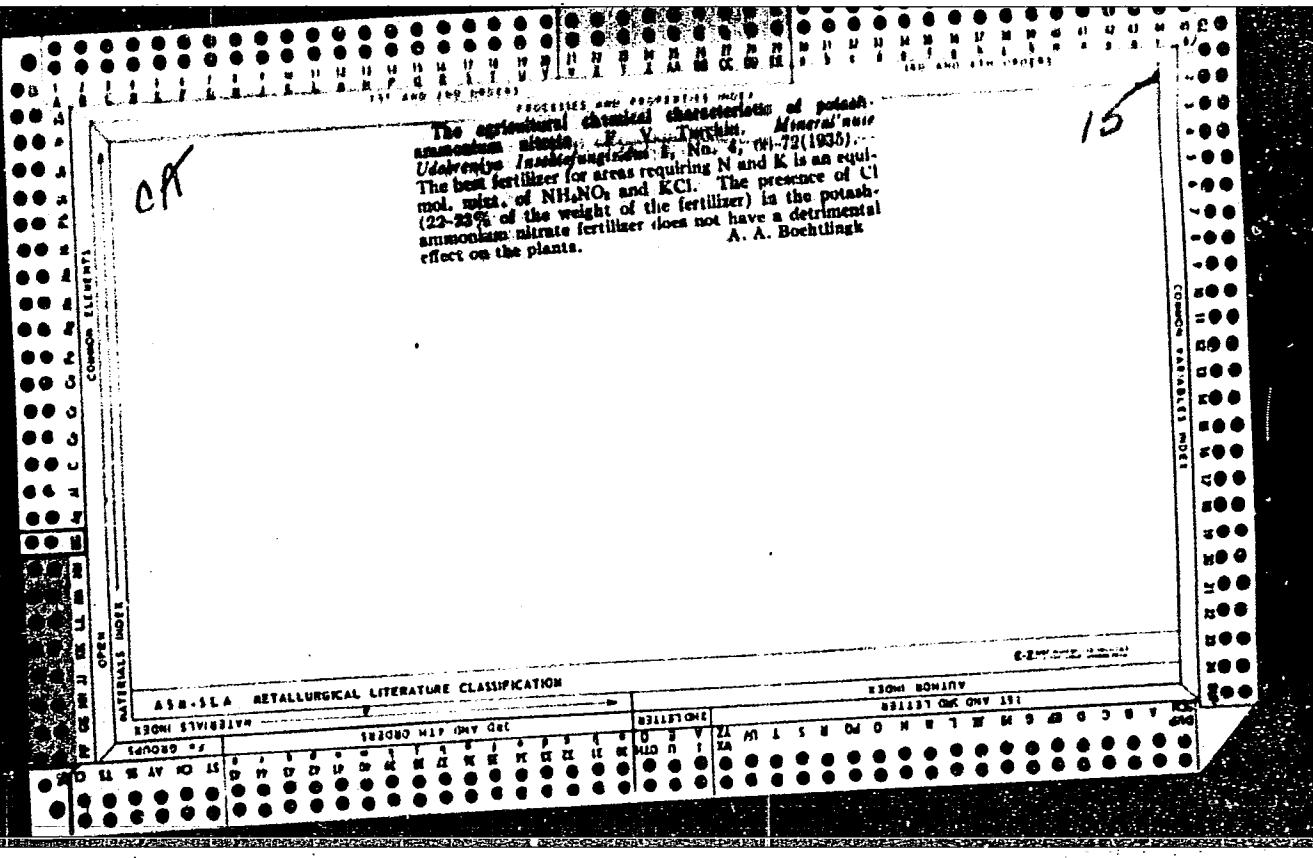
15

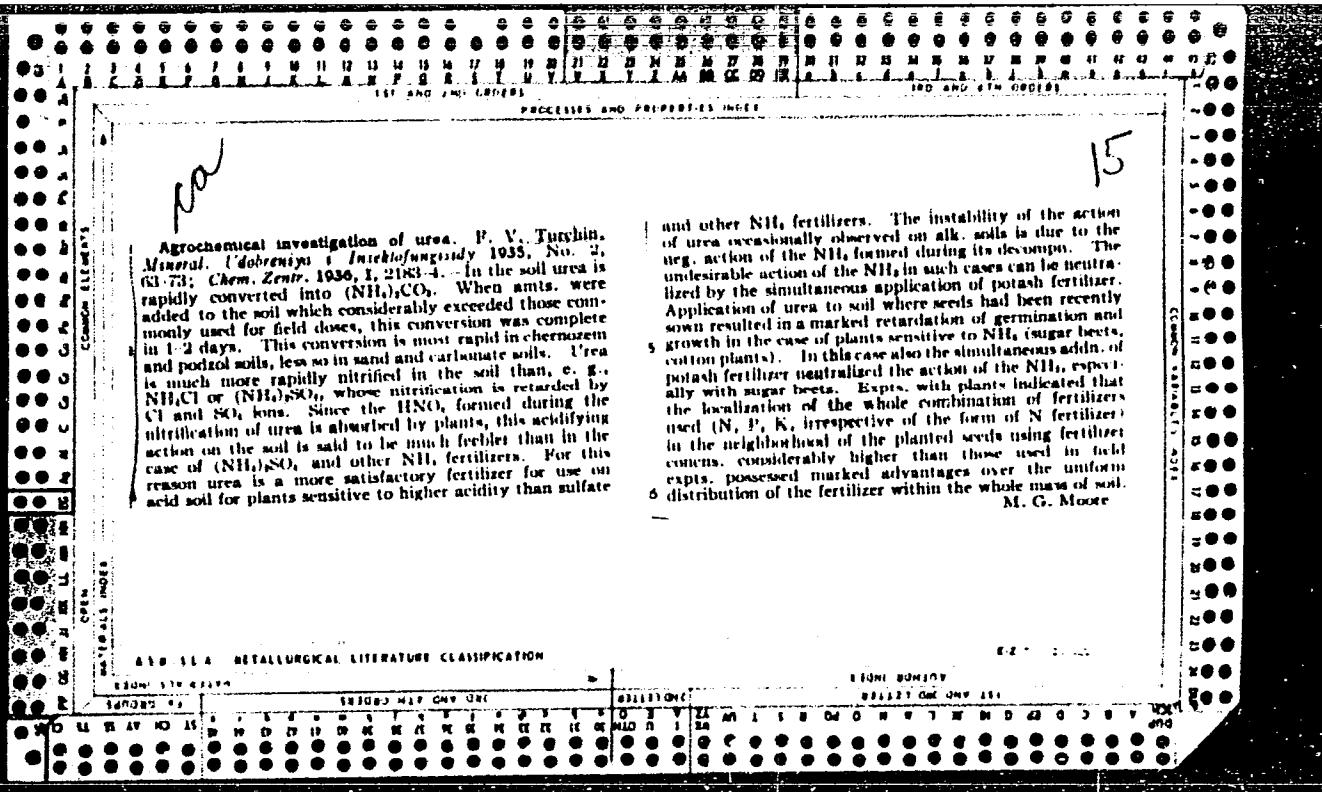
## **APPENDIX A METALLURGICAL LITERATURE CLASSIFICATION**

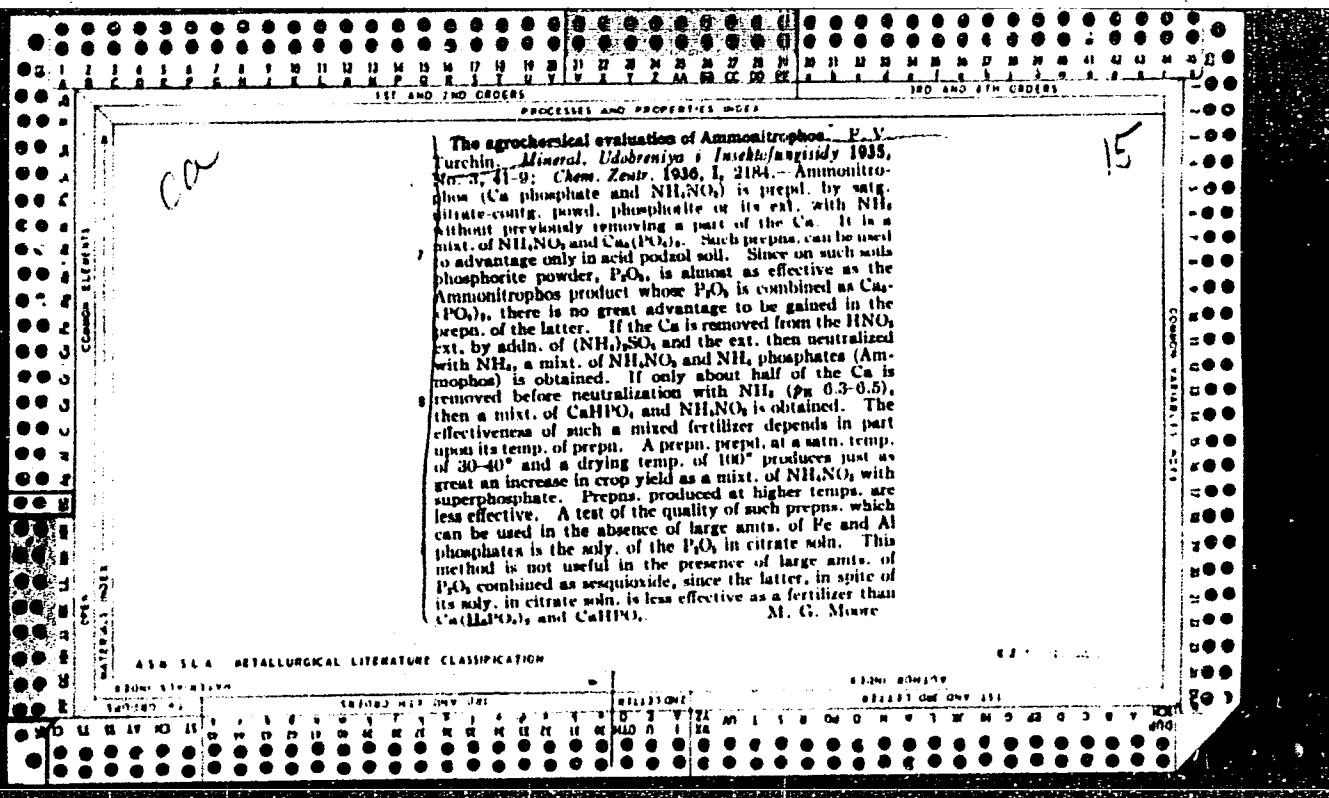
~~3201 BONITA~~

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PROCESSES AND PROPERTIES OF POLY(1,3-PHENYLIC SULFONE) AND POLY(1,3-PHENYLIC MONOSULFONE)

DO AND GET CREDIT

The results of agrochemical investigations with Ammoniophosphos. F. V. Turchini. *Trans. Sci. Inst. Fertilizare Insecticidur si fitoficie* (U. S. S. R.) No. 126, 55-68 (in German) 68-0 (1933).—Ammoniophosphos is a product obtained by treating rock phosphate with  $HNO_3$  and neutralizing with  $NH_3$ . The ratio of N to  $P_2O_5$  in the final product varies between 1:1/2 and 1:2. It consists of  $Ca_3(PO_4)_2$  and  $NH_4NO_3$  with admixtures of  $Ca(NO_3)_2$ . Some of these mixtures were treated with  $CO_2$  giving also  $CaCO_3$ . On chernozem this preparation was far inferior to the acid phosphate, but on the podzolic soils the  $P_2O_5$  was available to plants. The drying of these preparations at a temperature above 45° decreases the availability of the  $P_2O_5$ .

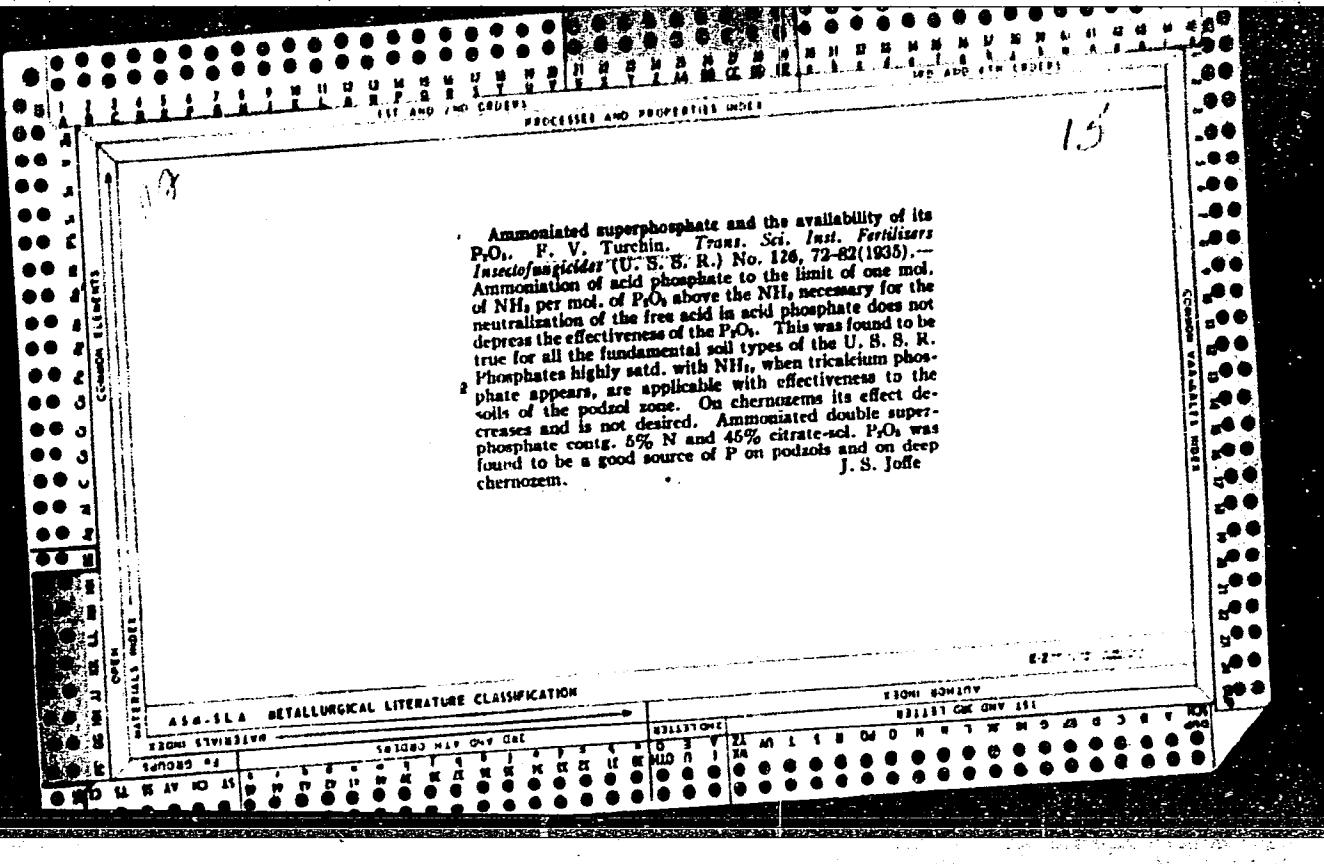
J. S. Joffe

## ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION

8-2771-78, 120-47

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(a)

11

Linestone ammonia fertilizers. T. A. Finchum, J.  
Chem. Ind. (U. S. S. R.) 15, No. 9, 13-17 (1938). When  
NH<sub>4</sub> fertilizers which have a slightly acid reaction are  
mixed with CaCO<sub>3</sub> before use, they have better fertilizing  
properties.

H. M. Leicester

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

